

# Safety Data Sheet

## Dispex® AA 4144 (old Hydropalat® 44)

Revision date : 2015/02/10

Page: 1/9

Version: 3.0

(50409765/SDS\_GEN\_US/EN)

### 1. Identification

**Product identifier used on the label**

**Dispex® AA 4144 (old Hydropalat® 44)**

**Recommended use of the chemical and restriction on use**

Recommended use\*: dispersing agent

\* The "Recommended use" identified for this product is provided solely to comply with a US Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

**Details of the supplier of the safety data sheet**

Company:

BASF CORPORATION  
100 Park Avenue  
Florham Park, NJ 07932, USA

Telephone: +1 973 245-6000

**Emergency telephone number**

CHEMTREC: 1-800-424-9300  
BASF HOTLINE: 1-800-832-HELP (4357)

**Other means of identification**

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### 2. Hazards Identification

**According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

**Classification of the product**

No need for classification according to GHS criteria for this product.

**Label elements**

The product does not require a hazard warning label in accordance with GHS criteria.

**Hazards not otherwise classified**

# Safety Data Sheet

## Dispex® AA 4144 (old Hydropalat® 44)

Revision date : 2015/02/10  
Version: 3.0

Page: 2/9  
(50409765/SDS\_GEN\_US/EN)

No specific dangers known, if the regulations/notes for storage and handling are considered.

**According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

### Emergency overview

Use with local exhaust ventilation.

Wear suitable protective clothing, gloves and eye/face protection.

Wear full face shield if splashing hazard exists.

## 3. Composition / Information on Ingredients

**According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

This product does not contain any components classified as hazardous under the referenced regulation.

**According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
7732-18-5	>= 50.0 - <= 60.0 %	Water
Trade Secret	>= 40.0 - <= 50.0 %	Proprietary acrylic polymer

## 4. First-Aid Measures

### Description of first aid measures

#### General advice:

Remove contaminated clothing.

#### If inhaled:

Keep patient calm, remove to fresh air, seek medical attention. Assist in breathing if necessary.

#### If on skin:

Wash thoroughly with soap and water.

If irritation develops, seek medical attention.

#### If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

If irritation develops, seek medical attention.

#### If swallowed:

Rinse mouth and then drink plenty of water. Do not induce vomiting. Seek medical attention if necessary.

### Most important symptoms and effects, both acute and delayed

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

### Indication of any immediate medical attention and special treatment needed

# Safety Data Sheet

## Dispex® AA 4144 (old Hydropalat® 44)

Revision date : 2015/02/10  
Version: 3.0

Page: 3/9  
(50409765/SDS\_GEN\_US/EN)

### Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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## 5. Fire-Fighting Measures

### Extinguishing media

Suitable extinguishing media:  
water spray, dry powder, foam

### Special hazards arising from the substance or mixture

Hazards during fire-fighting:  
harmful vapours

Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

### Advice for fire-fighters

Protective equipment for fire-fighting:  
Wear a self-contained breathing apparatus.

### Further information:

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

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## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid inhalation. Use personal protective clothing.

### Environmental precautions

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

### Methods and material for containment and cleaning up

For small amounts: Pick up with suitable appliance and dispose of.  
For large amounts: Pick up with suitable appliance and dispose of.

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## 7. Handling and Storage

### Precautions for safe handling

No special measures necessary provided product is used correctly.

Protection against fire and explosion:  
No special precautions necessary.

### Conditions for safe storage, including any incompatibilities

Further information on storage conditions: Keep container tightly closed and dry; store in a cool place.

Protect from temperatures below: 5 °C

Protect from temperatures above: 35 °C

# Safety Data Sheet

## Dispex® AA 4144 (old Hydropalat® 44)

Revision date : 2015/02/10  
Version: 3.0

Page: 4/9  
(50409765/SDS\_GEN\_US/EN)

### 8. Exposure Controls/Personal Protection

#### Personal protective equipment

##### **Respiratory protection:**

Wear respiratory protection if ventilation is inadequate.

##### **Hand protection:**

Chemical resistant protective gloves

##### **Eye protection:**

Safety glasses with side-shields. Wear face shield if splashing hazard exists.

##### **General safety and hygiene measures:**

Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice. Eye wash fountains and safety showers must be easily accessible.

### 9. Physical and Chemical Properties

Form:	liquid	
Odour:	characteristic	
Odour threshold:		Not determined due to potential health hazard by inhalation.
Colour:	colourless to yellowish	
pH value:	6.5 - 7.5	( 20 °C)
Melting point:	< 0 °C	
Boiling point:	approx. 100 °C	( 1,013 hPa)
Flash point:	> 100 °C	
Flammability:	not flammable	
Lower explosion limit:		For liquids not relevant for classification and labelling. The lower explosion point may be 5 - 15 °C below the flash point.
Upper explosion limit:		For liquids not relevant for classification and labelling.
Autoignition:		Based on the water content the product does not ignite.
Vapour pressure:	17.5 hPa	( 20 °C) contains water
Density:	1.32 g/cm <sup>3</sup>	( 20 °C)
Relative density:	1.32	( 20 °C)
Vapour density:		not determined
Partitioning coefficient n-octanol/water (log Pow):		not applicable for mixtures
Self-ignition temperature:		Based on the water content the product does not ignite. Based on the water content the product does not ignite.
Thermal decomposition:	> 230 °C	
Viscosity, dynamic:	75 - 150 cP	( 25 °C)
Viscosity, kinematic:	57 - 114 cst	( 25 °C)
Solubility in water:		( 20 °C) completely soluble
Molar mass:	6,500 - 9,000 g/mol	
Evaporation rate:		not determined

# Safety Data Sheet

## Dispex® AA 4144 (old Hydropalat® 44)

Revision date : 2015/02/10  
Version: 3.0

Page: 5/9  
(50409765/SDS\_GEN\_US/EN)

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### 10. Stability and Reactivity

#### Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Oxidizing properties:

Based on its structural properties the product is not classified as oxidizing.

#### Chemical stability

The product is stable if stored and handled as prescribed/indicated.

#### Possibility of hazardous reactions

No hazardous reactions when stored and handled according to instructions.

The product is chemically stable.

#### Conditions to avoid

See MSDS section 7 - Handling and storage.

#### Incompatible materials

strong oxidizing agents

#### Hazardous decomposition products

Decomposition products:

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:

> 230 °C

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### 11. Toxicological information

#### Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

#### Acute Toxicity/Effects

##### Oral

Type of value: LD50

Species: rat

Value: > 5,000 mg/kg

The product has not been tested. The statement has been derived from the properties of the individual components.

##### Inhalation

Type of value: LC50

Species: rat

Exposure time: 4 h

not determined

##### Dermal

# Safety Data Sheet

## Dispex® AA 4144 (old Hydropalat® 44)

Revision date : 2015/02/10  
Version: 3.0

Page: 6/9  
(50409765/SDS\_GEN\_US/EN)

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Type of value: LD50  
Species: rat  
not determined

### Assessment other acute effects

No data available.

### Skin

Species: rabbit

Result: non-irritant

The product has not been tested. The statement has been derived from the properties of the individual components.

### Eye

Species: rabbit

Result: non-irritant

The product has not been tested. The statement has been derived from the properties of the individual components.

### Sensitization

Species: guinea pig

Result: Non-sensitizing.

The product has not been tested. The statement has been derived from the properties of the individual components.

### Aspiration Hazard

No aspiration hazard expected.

## **Chronic Toxicity/Effects**

### Repeated dose toxicity

Assessment of repeated dose toxicity: No data available.

### Genetic toxicity

Genetic toxicity in vitro: Ames-test negative

### Carcinogenicity

Assessment of carcinogenicity: No data available.

### Reproductive toxicity

Assessment of reproduction toxicity: No data available.

### Teratogenicity

Assessment of teratogenicity: No data available.

## **Symptoms of Exposure**

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

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## **12. Ecological Information**

### **Toxicity**

#### Toxicity to fish

LC50 (96 h) > 200 mg/l, Brachydanio rerio

# Safety Data Sheet

## Dispex® AA 4144 (old Hydropalat® 44)

Revision date : 2015/02/10  
Version: 3.0

Page: 7/9  
(50409765/SDS\_GEN\_US/EN)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

### Aquatic invertebrates

EC50 (48 h) > 1,000 mg/l, Daphnia magna

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

### Aquatic plants

EC50 (96 h) 10 - 100 mg/l, algae

The product has not been tested. The statement has been derived from the properties of the individual components.

### Chronic toxicity to fish

No data available.

### Chronic toxicity to aquatic invertebrates

No data available.

## **Microorganisms/Effect on activated sludge**

### Toxicity to microorganisms

bacteria/EC50: > 100 mg/l

The product has not been tested. The statement has been derived from the properties of the individual components.

## **Persistence and degradability**

### Assessment biodegradation and elimination (H2O)

The polymer component of the product is poorly biodegradable. The ecotoxic component(s) is/are readily biodegradable. The product has not been tested. The statement has been derived from the properties of the individual components.

## **Bioaccumulative potential**

### Assessment bioaccumulation potential

The product has not been tested.

## **Mobility in soil**

### Assessment transport between environmental compartments

No data available.

## **Additional information**

Add. remarks environm. fate & pathway:

Treatment in biological waste water treatment plants has to be performed according to local and administrative regulations.

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## **13. Disposal considerations**

### **Waste disposal of substance:**

Dispose of in accordance with national, state and local regulations.

### **Container disposal:**

Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

# Safety Data Sheet

## Dispex® AA 4144 (old Hydropalat® 44)

Revision date : 2015/02/10  
Version: 3.0

Page: 8/9  
(50409765/SDS\_GEN\_US/EN)

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### 14. Transport Information

**Land transport**  
USDOT

Not classified as a dangerous good under transport regulations

**Sea transport**  
IMDG

Not classified as a dangerous good under transport regulations

**Air transport**  
IATA/ICAO

Not classified as a dangerous good under transport regulations

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### 15. Regulatory Information

**Federal Regulations**

**Registration status:**

Chemical TSCA, US released / listed

**EPCRA 311/312 (Hazard categories):** Not hazardous;

**NFPA Hazard codes:**

Health : 1 Fire: 0 Reactivity: 0 Special:

**HMIS III rating**

Health: 1 Flammability: 1 Physical hazard: 0

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### 16. Other Information

**SDS Prepared by:**

BASF NA Product Regulations  
SDS Prepared on: 2015/02/10

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# Safety Data Sheet

## Dispex® AA 4144 (old Hydropalat® 44)

Revision date : 2015/02/10

Page: 9/9

Version: 3.0

(50409765/SDS\_GEN\_US/EN)

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